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TITLE: EXTENTION CATHETER AND ITS
MANUFACTURE

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ABSTRACT:

PROBLEM TO BE SOLVED: To provide an extention catheter and its manufacturing method in which flexibility, pressure tightness and expansibility are well-balanced highly and a balloon is installed.

SOLUTION: An original tube is obtained by extrusion molding of a straight chain low-density polyethylene resin for which a metallocene catalyst is used, has a specific gravity of 0.915-0.930g/cm³ and is a copolymer of ethylene and α -olefin. Electron beams are applied to the above tube to form a tube by crosslinking to cause a gel rate of 0.75-0.95, and subsequently, a balloon 2 is obtained under specified stretching and forming conditions. By using this balloon, an extension catheter 1 is assembled.

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